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UK Woodland Carbon Code

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Forestry Commission, UK

Montreal, 8 Feb 2018





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Part 1

**How are the emissions units
generated by your programme,
mechanism or project?**



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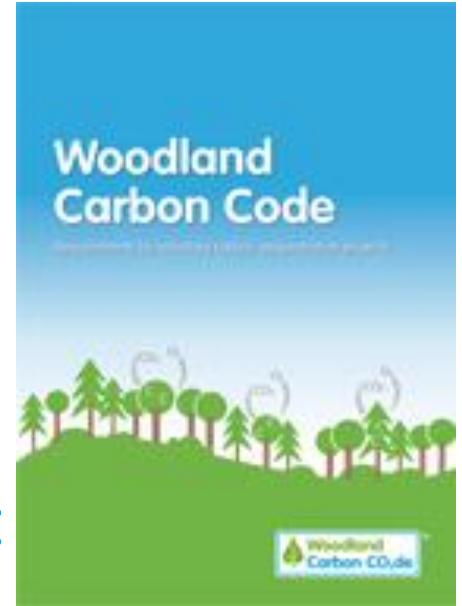
UK WCC



- Voluntary, National C standard
- Woodland creation in UK
- Government-led
- Since 2011

High standards

- Robust Science/ GHG account
- Independent verification
- Transparent registry





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WCC Process



Year 0



Project Design Doc

Validate

List PIUs

Year 5



Project Progress Report

Verify

Convert PIU
to WCU

Year 15

Repeat every 10 years



Project Progress Report

Verify

Convert PIU
to WCU

Repeat

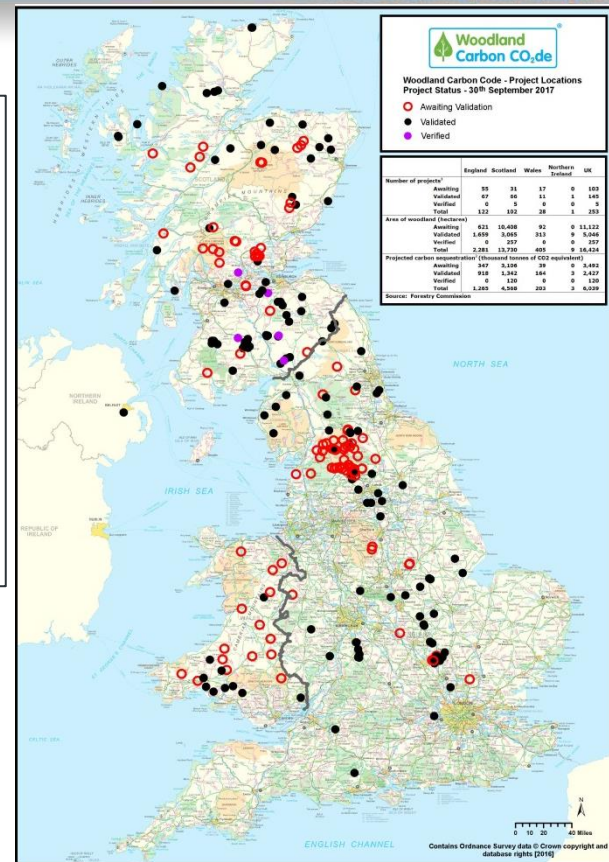
Progress



From 2011 to End 2017:

- **245 Projects registered**
- 16,247 ha woodland
- 5.9 MtCO₂ over lifetime
- **150 projects validated**
- 5,081 ha woodland
- 2.4 MtCO₂ over lifetime
- **Of which, 31 projects verified yr 5**
- 1,287 ha woodland
- 0.6M tCO₂ over lifetime
- *<0.01M tCO₂ delivered by 2017*

- **40+ Project Developers**
- **70+ Corporate Buyers with UK base/emissions**
- **60% Validated units already purchased**





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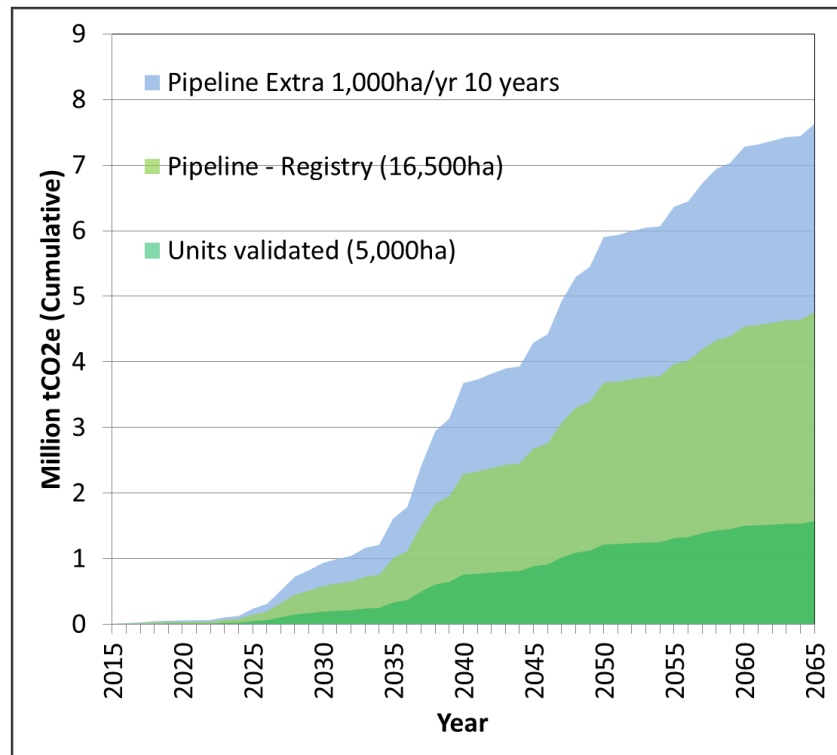
Value/Availability



Wider value of WCU units (Eftec, 2016)

Impact	Per tonne CO ₂
Recreation	\$ 90-105 USD
Air quality	\$ 14 USD
Biodiversity	\$ 31-137 USD
Economic activity	\$10 USD GVA
Water quality/ flooding	12% in priority areas
Social deprivation	12 projects accessible by deprived communities

Future Availability of WCC Units





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Examples



- Fuel card company
- Bought from 57 woodlands
- Multiple benefits
- Local/ tangible projects
- Customer/employee engagement



- Milton of Mathers
- 17 hectares native woodland
- Biodiversity and farm benefits
- 6,662 tCO₂ over 70 years



Part 2

What are the features and benefits of the emissions units generated by your programme, mechanism or project, including the means to ensure their quality?



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Quality Standard






UK Forestry Standard: Sustainability:



- Additionality (Legal, financial)
- Permanence (UK legislation, RA & 20% CO₂ → buffer)
- Baseline, leakage and project net benefit
- Transparent GHG Claims

Woodland Benefits Tool

Wildlife	5		Community	4	
Wildlife haven			Community asset		
Water	5		Economy	3	
Freshwater friendly					



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Robust Claims



- Independent verification:



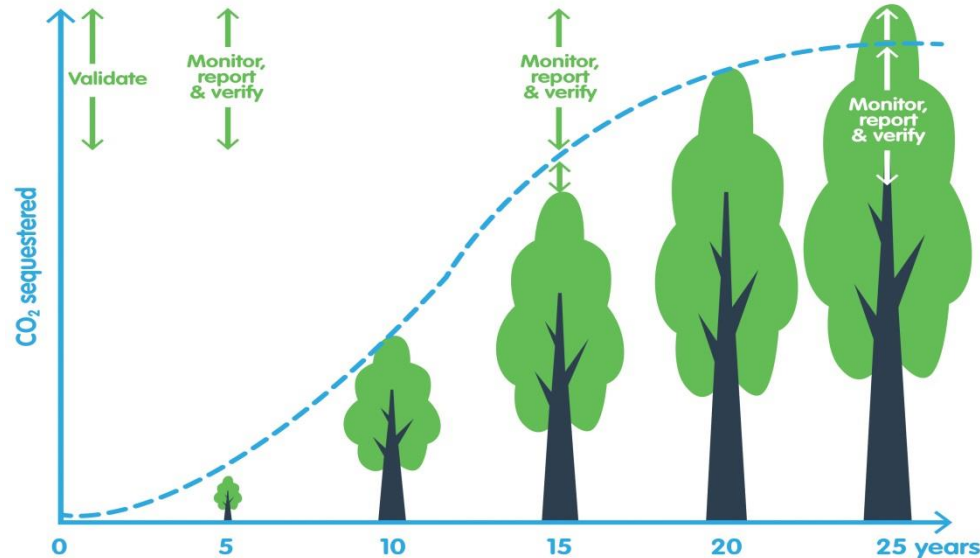
→ ISO 14065 & ISO 14064/3

- Verifiers accredited:



- Robust science

- Prediction tool
- Monitoring protocol





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Part 3

Where can potential buyers purchase the emissions units generated by your programme, mechanism or project?



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Buying units



From Project

Via Markit

Via Brokers

Where to buy Carbon

search forestry.gov.uk

Woodland Carbon CO₂de

Where to buy carbon from WCC projects

Page Contents:

- Introduction
- Project Developers with validated projects
- Other companies selling units from WCC projects
- Markit's 'Request for Information' Platform

Introduction

The Forestry Commission does not sell Woodland Carbon Code (WCC) units. We are responsible for managing the standard and ensuring that projects are independently validated/verified and represented on the UK Woodland Carbon Registry. We have provided links to all project developers with at least one validated

RFI platform
View units
'Offered'



forestry.gov.uk

ihsmarkit.com





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Part 4

**How does your programme,
mechanism or project track the
use of emissions units?**



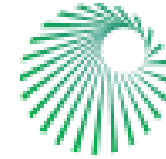
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Registry



- Only one registry, only one standard
- Transparent, publicly available
- Each unit has unique serial number
- Units issued at validation as **PIU**
- Converted at verification to **WCU**
- Transferred or assigned to buyer
 - No requirement for buyer a/c if assigned
- WCU retired upon use



IHS Markit

**=NO Double-
-selling
-issuance
-monetisation**



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Use of WCUs



- Mandatory GHG emissions reporting for 1,000 UK companies – may extend.
- Verified WCUs can currently be used within the UK:
 - To compensate for emissions
 - In carbon neutral claim
- WCUs currently counted towards UK national target (with environmental integrity intact)
- Not currently setup to allow international use.



Department
for Environment
Food & Rural Affairs

**Environmental Reporting Guidelines:
Including mandatory greenhouse gas emissions
reporting guidance
June 2013**

PAS 2060:2014

Specification for the demonstration
of carbon neutrality



APPROVED BY
Environmental Protection Administration
Taiwan, R.O.C. (China)

bsi.



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Thank you

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www.forestry.gov.uk/carboncode

